

ANATOMICAL TERMINOLOGY

OBJECTIVES:

6. Use anatomical terms to describe body sections, body regions, and relative positions. (pp. 16 – 20)
7. Identify the major cavities and their subdivisions. (pp. 20 – 23)

DIRECTIONAL TERMS:

Anterior:	Posterior:
Ventral:	Dorsal:
Cranial:	Caudal:
Superior:	Inferior:
Medial:	Lateral:
Proximal:	Distal:
Superficial:	Deep:

BODY PLANES AND SECTIONS:

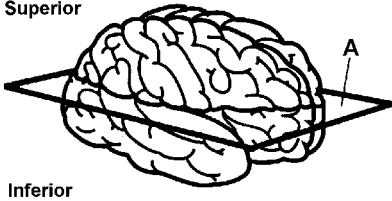
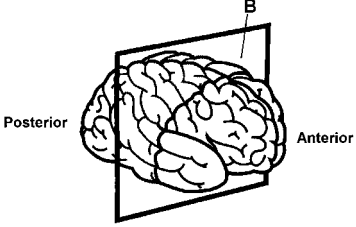
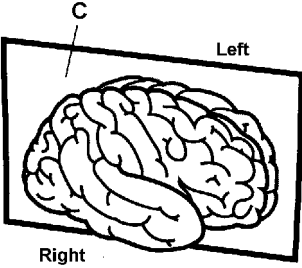
Transverse	Frontal	Sagittal

QUESTIONS:

1. Complete the following statements by circling the correct term in the brackets.
 - a. The toes are [**proximal or distal**] to the ankles
 - b. The scalp is [**superficial or deep**] to skull
 - c. The diaphragm is [**superior or inferior**] to the lungs
 - d. The heart is [**superior or inferior**] to the diaphragm.
 - e. The head is [**superior or inferior**] to the neck.
 - f. The wrist is [**proximal or distal**] to the hand.
 - g. The esophagus is [**dorsal or ventral**] to the vertebral column.
 - h. The esophagus is [**anterior or posterior**] to the vertebral column.
 - i. The brain is [**superior or inferior**] to the spinal cord.
 - j. The fingers are [**proximal or distal**] to the hand.
 - k. The kneecap is [**anterior or posterior**] to the knee joint.
 - l. The kneecap is [**dorsal or ventral**] to the knee joint.
 - m. The eyes are [**medial or lateral**] to the bridge of nose.
 - l. The nose is [**medial or lateral**] to the ears.
 - m. The thumb is [**proximal or distal**] to the hand.
 - n. Bones are [**superficial or deep**] to the skin.
 - o. The kidney is [**medial or lateral**] to the vertebral column.
2. For each of the following statements determine if the statement is true or false. If the state is true, write **TRUE** on the blank provided. If the statement is false, change the underlined word to make the statement true and write the **CORRECTED WORD(S)** on the blank provided.
 - a. The mouth is superior to the nose. _____
 - b. The stomach is inferior to the diaphragm. _____

- c. The trachea is **anterior** to the spinal cord. _____
- d. The larynx is **posterior** to the esophagus. _____
- e. The heart is **medial** to the lungs. _____
- f. The kidneys are **inferior** to the adrenal glands. _____
- g. The hand is **proximal** to the elbow. _____
- h. The knee is **proximal** to the ankle. _____

3. Identify the section pictured or described below:

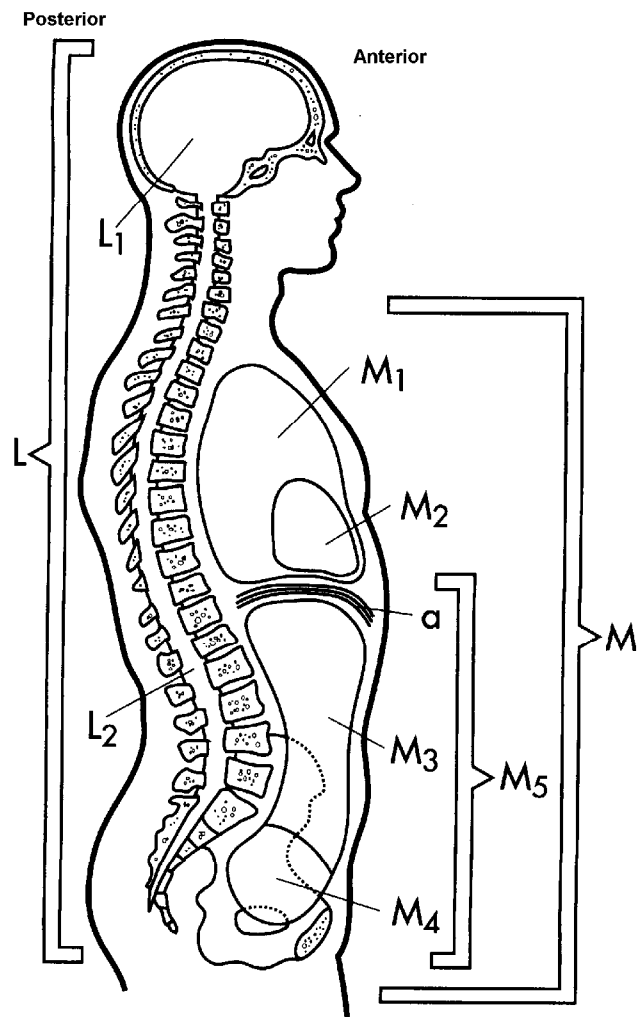
<p>Section: _____</p> 	<p>Section: _____</p> 
<p>Section: _____</p> 	<p>Section: _____</p> <p>Divides the body into asymmetrical right and left sections.</p>
<p>Section: _____</p> <p>Divides the body along the midline into externally symmetrical sections.</p>	<p>Section: _____</p> <p>Divides the body into anterior and posterior sections.</p>
<p>Section: _____</p> <p>Divides the body horizontally into superior and inferior sections.</p>	

4. Examine each picture on the Section Cards. Identify the type of section represented in each picture.

Section #	Type of Section	Section #	Type of Section
#1		#5	
#2		#6	
#3		#7	
#4		#8	

5. Color the **brackets** and **body cavities** listed below on the diagram at the right.

- ☐ Dorsal cavity (L)
- ☐ Cranial cavity (L₁)
- ☐ Spinal cavity (L₂)
- ☐ Ventral cavity (M)
- ☐ Pleural cavity (M₁)
- ☐ Pericardial cavity (M₂)
- ☐ Abdominal cavity (M₃)
- ☐ Pelvic cavity (M₄)
- ☐ Abdominopelvic cavity (M₅)



6. Use the word list below and the diagram on page 4 to complete the following chart.

Divisions/Subdivisions

Abdominal
Abdominopelvic
Cranial
Pelvic
Pericardial
Pleural
Spinal
Thoracic

Organ(s) Present

Brain
Heart
Lungs
Spinal cord
Stomach, liver, intestines
Uterus, bladder

MAIN BODY CAVITY	DIVISIONS	SUBDIVISIONS	ORGAN(S) PRESENT
Dorsal Cavity			
Ventral Cavity	Thoracic Cavity		
	Abdomino-pelvic cavity		